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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,204

DATE: 06/27/2001

TIME: 11:26:39

Input Set : N:\Crif3\RULE60\09854204.txt

Output Set: N:\CRF3\06272001\I854204.raw

P-5

ENTERED

3 <110> APPLICANT: Fischer, Peter Martin
4 Zhelev, Nikolai
6 <120> TITLE OF INVENTION: Transport Vectors
8 <130> FILE REFERENCE: CCI-010
10 <140> CURRENT APPLICATION NUMBER: 09/854,204
11 <141> CURRENT FILING DATE: 2001-05-11
13 <150> PRIOR APPLICATION NUMBER: 09/438,460
14 <151> PRIOR FILING DATE: 1999-11-12
16 <150> PRIOR APPLICATION NUMBER: GB 9825000.4
17 <151> PRIOR FILING DATE: 1998-11-13
19 <150> PRIOR APPLICATION NUMBER: GB 9825001.2
20 <151> PRIOR FILING DATE: 1998-11-13
22 <150> PRIOR APPLICATION NUMBER: GB 9902525.6
23 <151> PRIOR FILING DATE: 1999-02-04
25 <150> PRIOR APPLICATION NUMBER: GB 9902522.3
26 <151> PRIOR FILING DATE: 1999-02-04
28 <150> PRIOR APPLICATION NUMBER: GB 9914578.1
29 <151> PRIOR FILING DATE: 1999-06-22
31 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03750
32 <151> PRIOR FILING DATE: 1999-11-11
34 <160> NUMBER OF SEQ ID NOS: 66
36 <170> SOFTWARE: PatentIn Ver. 2.1
38 <210> SEQ ID NO: 1
39 <211> LENGTH: 16
40 <212> TYPE: PRT
41 <213> ORGANISM: Drosophila melanogaster
43 <400> SEQUENCE: 1
44 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
45 1 5 10 15
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 7
49 <212> TYPE: PRT
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
54 sequence
56 <220> FEATURE:
57 <221> NAME/KEY: MOD_RES
58 <222> LOCATION: (7)
59 <223> OTHER INFORMATION: AMIDATION; the carboxy terminal lysine residue may
60 have its carboxyl group converted into an
61 carboxamide group.
63 <400> SEQUENCE: 2
64 Arg Arg Met Lys Trp Lys Lys
65 1 5
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 7

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69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
74     sequence
76 <400> SEQUENCE: 3
77 Arg Arg Met Trp Lys Lys Lys
78   1           5
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 7
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <221> NAME/KEY: MOD_RES
87 <222> LOCATION: (3)
88 <223> OTHER INFORMATION: Xaa is norleucine ornithine
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92     sequence
94 <400> SEQUENCE: 4
W--> 95 Arg Arg Xaa Lys Trp Lys Lys
96   1           5
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 7
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <221> NAME/KEY: MOD_RES
105 <222> LOCATION: (3)
106 <223> OTHER INFORMATION: Xaa is norleucine ornithine
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110     sequence
112 <400> SEQUENCE: 5
W--> 113 Arg Arg Xaa Trp Lys Lys Lys
114   1           5
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 8
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
123     sequence
125 <400> SEQUENCE: 6
126 Asn Arg Arg Met Lys Trp Lys Lys
127   1           5
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 9
131 <212> TYPE: PRT

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132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
136 sequence
138 <400> SEQUENCE: 7
139 Gln Asn Arg Arg Met Lys Trp Lys Lys
140 1 5
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 10
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
149 sequence
151 <400> SEQUENCE: 8
152 Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
153 1 5 10
155 <210> SEQ ID NO: 9
156 <211> LENGTH: 7
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
162 sequence
164 <400> SEQUENCE: 9
165 Lys Arg Met Lys Trp Lys Lys
166 1 5
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 7
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
175 sequence
177 <400> SEQUENCE: 10
178 Arg Lys Met Lys Trp Lys Lys
179 1 5
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 7
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
188 sequence
190 <400> SEQUENCE: 11
191 Arg Arg Glu Lys Trp Lys Lys
192 1 5
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 7

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Input Set : N:\Crf3\RULE60\09854204.txt

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197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
202     sequence
204 <400> SEQUENCE: 12
205 Arg Arg Gln Lys Trp Lys Lys
206   1           5
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 7
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
216     sequence
218 <400> SEQUENCE: 13
219 Arg Arg Met Lys Gln Lys Lys
220   1           5
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
230     sequence
232 <400> SEQUENCE: 14
233 Arg Arg Met Lys Trp Phe Lys
234   1           5
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 7
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <221> NAME/KEY: MOD_RES
244 <222> LOCATION: (2)
245 <223> OTHER INFORMATION: Xaa is norleucine ornithine
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
249     sequence
251 <400> SEQUENCE: 15
W--> 252 Arg Xaa Arg Lys Trp Lys Lys
253   1           5
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
263     sequence

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Input Set : N:\Crf3\RULE60\09854204.txt

Output Set: N:\CRF3\06272001\I854204.raw

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265 <400> SEQUENCE: 16
266 Arg Arg Met Trp Lys Lys Lys
267   1           5
270 <210> SEQ ID NO: 17
271 <211> LENGTH: 7
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
277     sequence
279 <400> SEQUENCE: 17
280 Arg Arg Met Lys Lys Trp Lys
281   1           5
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 7
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <221> NAME/KEY: MOD_RES
291 <222> LOCATION: (3)
292 <223> OTHER INFORMATION: Xaa is norleucine ornithine
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296     sequence
298 <400> SEQUENCE: 18
W--> 299 Arg Arg Xaa Lys Lys Trp Lys
300   1           5
303 <210> SEQ ID NO: 19
304 <211> LENGTH: 17
305 <212> TYPE: PRT
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <221> NAME/KEY: MOD_RES
310 <222> LOCATION: (1)
311 <223> OTHER INFORMATION: bAla
313 <220> FEATURE:
314 <221> NAME/KEY: MOD_RES
315 <222> LOCATION: (17)
316 <223> OTHER INFORMATION: AMIDATION
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
320     sequence
322 <400> SEQUENCE: 19
323 Ala Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
324   1           5           10           15
326 Lys
330 <210> SEQ ID NO: 20
331 <211> LENGTH: 17
332 <212> TYPE: PRT

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,204

DATE: 06/27/2001

TIME: 11:26:40

Input Set : N:\Crf3\RULE60\09854204.txt

Output Set: N:\CRF3\06272001\I854204.raw

L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57